# Aviation Tews Aviation Tews April 17, 1944

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Washington officials forecast progress in 60 days on air transport surplus policy after talks with aviation leaders.....Page 7

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staving off defeat in Pacific than in Europe, where domination is not so marked.......Page 19

### Wright Fan Boosts Motor Power Device reported to give 336 ex-

tra hp. at 30,000 feet, raises climbing speed 20 percent and increases load capacity.........Page 28

### CAB Reveals Air Transport Growth Traffic and financial operations

# Johnston Appraises Air Progress Curtiss-Wright representative in Washington analyzes post-war

### New North Atlantic Airline Forming Important interests in U.S.,

### Soviets Watch U. S.-British Talks

Russians study London air parley as their own representatives open conversations with United States officials..............Page 36



New B-25 Profile On Tokyo Raid Anniversary: Two years ago, Apr. 18, B-25's bombed Tokyo. They cerried two 30-caliber guns in the nose, two 50-caliber guns in the upper turret. The nose of the plane above carries eight. 50-caliber guns and a 75-mm, cannon. Top turret, tall mount and two waits 50's complete the armanent of 14 machine guns.



### ICKERS PUMP

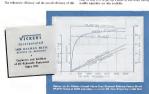
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HYDRAULIC SYSTEM



It is stantificate that the 5000 pei hybrotice system on the Drughts (CoS4) Styrmater ones the Vactor Arial Plates. Type Constant Distrey Paray belows above. The properties developed (from 2000 pei milto of irisalize design that had been in service above 1000 in requested in the contract of the contra

pump are very high  $\sim$  , as indicated by the performance correct below. Now that there is no apperciable losses as slipages as the pressure is increased. The maximum and the maximum processes of the maximum processes and the maximum processes of special is \$250 years at which the homogeneous comparts in \$1.00 kp. The singlet is only 600 kp. providing the correspondibly low weight/homogeneous relate of the 3.00 kp. to kp. Populor of this sortice having



### THE AVIATION NEWS

### Washington Observer

BRITISH SUPER-PRINTER—The new BAPsport-fightee which the British Mislewy of Airends Production accounted will go into notice none time this openig in a lep-speciation cred, in the opinion of Washington artiston circle, in the opinion of Washington artiston circles account in the nonl-afficial but cryptic reference to "exces accusional performance" then that of any place non-fightee.

YORAGO DEFERRID—The Bentals refernce is the area place reported a feaded dipaths from International News Service pressure for suffer-egates Harbor Frontal English. The feater for the suffer-egates figure released list week for the Musters, addited that the father "has not yet been put not action." The father "has not yet been put not action." The father place post service with a father place of the equipped with a Ballo-Stope William engine, and the place of the service of the place of pressure of the net pressure accounted and well not go are

AIR TRAVEL—The return of dransport places in the convened as attiment by the Anny describ showy amount that a corresponding increase in seats will be revealable to the type public, forered of the hour are yetting the solved please red of the best are yetting the solved please to the solven and the solven and the solven public but also assets the cost of destalling leasury distinguishments.

B-29 PHODUCTION—The of B-29 Superfortenes, which is up-trade, will approximate it the B-17 Phosp Fortress short contribution in Europe, wasce most targets are writen range of the B-17's and Consolidated's Laberators. These online are obstauly undiformed as to the potentializes of the B-20-vits actualities, of course, stall being under wrops

actualities, of course, still being under wrogs

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KAISER AGAIN—As of this writing. Heavy
J. Kaiser is not shooting to run for the Breesster
Assumantial Corp. presidence, ruly will not ac-

Association Corp., periodizence, and well and teoring the past care if the stateholders over it to then. The animal meeting of the stateholders in the stateholders in the stateholders in which is a will be enapplied in the animal to except and there are tackentions that the Novy ones will be supported by the stateholders are stateholders and was could be presidency, returning vote control of the 161/160 shows of President vote control of the 161/160 shows of President vote ontal animal stateholders and the stateholders and shows, and it to "Villander competitions" in the contrasting tood 150/201, of which 351/20 were contrasting tood 150/201, of which 351/20 were animal properties of the stateholders and the stateholders and the stateholders are stateholders.

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AVIATION NEWS . Auro 17, 1866

which probably will not occur, particularly in

GOVERNMENT OWNER PLANTS - The needless acautables by the Teldish concensused of Percer Jets. Ltd., a purposer builder of you let watched with interest by solution convolutiondirection, whether here or thewhom, provides the industry. The fact that the British gavernvelocopers contracts about with the company may provide same solver for the British manu-

unfeverable reaction in this country. NAVY UNCAMOUPLACES... The New has

ris transport planes and may, like the Army, tun strategical exceptions. The Army last fell. most conditions, plus a saving in weight and

PROSPECT FOR AIR LEGISLATION...Lil. the chance for action on any of the major sale ation Nils before Concress is seen until after the elections. This does not mean that there will be a shardcorn of activity, but appear somethere new unformers server it will be senterleary work, such as that new mader way in the Airlines Committee for U. S. Air Polley. The coveration has been habling a series of ownto lags preparent a point-for-pales analysis of variety measures. These care by released to clorify in the public mind the issues involved in the leternational eviction dispute between American companies. The fact that the decimonths every will contribute to this, since it will

be difficult for the United States to legislate when it does not know what the outcome of the conferences will mean, TECHNOLOGICAL CONFERENCE - CAR

haterested netions feel that this is the one

greend on which from action can be taken, and held es soon as possible and preparations made

> oble after mulitary operations are maneraled. EUSSIAN TALKS-Washington but been swelters errived of Burnian representatives for exploratory talks, which probably will start this week. It will not be surprising to find Bassis and the United States in substrated agreement on international cir. since both are large hard powers without the island bases with which the British can exceeds a lever. And it shouldn't be everlooked that Eurosa and the United States are Autorically friendly nations,

despris phoological differences

sponsible for a general let-down is helicopter

WMC officeds to longer are expressing concern at the manpower prespect on the West Coost when the European war ends. Previously they Atter and News to a strengthern Parific offensixy. New the commences to that consists contructs will be conceled to believe out other in-

HEAVY ROMEER INDEX-Another index trainers combined. Heavy howher reak is still

are declinion steadily

### Action Near on Disposal Policy For Surplus Transport Planes

Washington officials forecast progress in 60 days, following ealks with government, military, industry representatives. By WILLIAM G. KLY

A policy for demonstrate of regular on the Berget-Historic report and settled, and some sharp differences ferences may be restired or comnot war. When you countries a

P Special Study Under Way-Observ-

AVEATION NEWS . April 13, 1944

McGraw-Ritt Printinger Co. Dre. ber of Commerce of America. This committee "believes that the

tee believes that the male way

Felier Agreement -- In industry certica, there has been general





B-25 HAS A STING IN ITS TAIL

Brench off of our motion methods of communication are electronity energiand devites. Their merceuful queration depends on good insakting materials, leasextrare meeting and temperature con-For time electrical energy was first good iredation. The development of better iredating shadows which have forecast the phreamened advances which the exercise has made to the field of communications. La PRANCED Witnessed BREE, they DESCRIP IN THE ture proof inviction 2rd VALCOD, which enables to o remarkable degree the decirable properties of both DIAMOND Fibre and DEECTO, 4th MICASOND... Mices busheles to Do most saable from and new DEECTINE, or pure resin plouffe especially for U.H.F instation. C.D. explineers been holisted solve theseworks of buildaton problems. They have accumulated a wealth of "know how" which is not your disposed to have solve your absorbered books.

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AVIATION NEWS . Avel 12, 1986.

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where to be converted about be August Chronic Bristone Musting, Stational August Chronic Street, Lewis Co., Annual August Chronic Chronic Christopher Christo strikes with wer-swelled coupley-

& Mathed .. There does appear to be and abread for a specified period. ofe server The week be a completely removed from service.

AVIATION CALINDAR Will rectual hight About Martin Total Warter Arigina Photographic Contract Street A & M. College Science Trees Ariginal Work) to Hist from Balon Shoot Picture

the learning agreement. This regist new commercial planes coming Consumer-While springs to the reaspeared being rapide. The lease



BLACK CAT GETS MOTOR CHECK:

This new shots should members of a U.S. Nany Squadron of Black Cuts former up on engree of a Committeed Catalina Based in the Jane's enemy shreene and demayed 20,000 tons on four treeks, doing off the

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Becommercian hild" year are being

by the physical facts. Hadso m-Nevy precious and differ between

AVIATION NEWS . April 13, 1944

### Surplus Sale Nets \$1,320,000 in Week

WPB lists 768 prossections, with More than 3.000 persons visited.

tetaled \$1,338,666, vyceneutrus The New York Begional Office of

the War Production Board, which sponsored the exhibit, and has week that final totals sould not Pioreer Division of Bendix Aviation Corp., Eastern Approaft IN-Andation Corp. WPB officials until rated. Many rates, paymentarty of Weshington WPB suprison of end

Permanent Bisplay Considered

preciably higher, and that subseplus will run to more than \$50.-000,000 Nevertheless, the show

h Arrendance Off: Sales Un-W75 and stiesdance drapped off the One heartening factor in the levels. Low bids were reserved, tabing at \$95,000 was reported







In all, 836,555 possels of various h Handware in Demond-Hard-OCC. and lot of 50,000 tools for

#### vided W7B specoval is given. slagrange soles will ran high Manning Killed

Cal. L. B. Manning, commanding afficer of Hunter Field, Savanwas a director of Consulatated puro, American Airlines Be was

AVIATION NEWS . April 17, 1944

### Johnston Appraises Air Progress For First Five Post-War Years

Washington representative of Carrier-Wright Corp. and Wines After Wer author sees rosy hopes of aviacion outhorass realized in time, but probably not so soon as forecast. By BLAINE SYUBBLEFIELD

Monacles of flight exceently and plan year. This conclusion



b Drews U. S. Policy-The synery-



ment must make up its rand what decide how for it plans to go to

will be operated. Above all, it

The book, published by Duell, waret men with wind taxonis and

will not ammoorh 20,000 per year



AVIATION NEWS . April 17, 1844



ston. Within the to seven years,

### Official Tells Story Of Merlin Adaptions

Seventy-five men working four Describing the deliculties of pre-

and authors Specifications for Carburetor Changed-The only change made in the engine was the substitution of an Americantion More than 60,000 courses.

runer and metrum tanks 400 ho-

norn last week when Harvard years after the war, 1,700 new trake are using 250 his radial en-\$512,500,000, will find a market.



DODGE OPERATES LARGEST MAGNESIUM FOUNDRY: under Wright 2200 hp engines are menulactured Current output of reagreement at the piret or 50,000 possess doily

the latter a Wright Whirlward States strings, and apather 199 for nir-coaled agratuat engines are

Lothrop Reports

On Post-War Smdy

Thus he breaks down to 1.500 for

Tells Harvard alasses his 1943 sarvey shows market for 1,700 transports an first two pence years.

> but looks for only \$366 new arts total' of \$360 belongters. The

Prest-War Percent-Per the first and 30,000 military plants, noth Chairmon L. Welch Phese of the

### Industrial Demobilization Plans Get Under Way in Senate and WPB

George committee urges sumediate legislation on contract termination: Donald M. Nelson establishes advisory committee to help formulate reconversion policies.

Reconversion moved slawly est possible memort and that such lock of agreement which has charate Committee on Past-war Eco-

that the various phones of ordertriol demobilization be broken up soon, and debate will been on the

This was generally felt to be an contract burningtion should move alone or as a port of oursibus de-

erro the Comptraller General MINTAY BIB-If this recommendation is followed, and there is reason to believe that it will be. 5.1715-the Marray contract terment audits. While neither of floor of the Senate. This would

New MPB Committee-The saledrygloged in the War Production Nelson established an "Advisory

special and margarys Comparery Robert M Gleybord

NAVY FIRE FIGHTING UNIT

### Rotary Wing Lag Although four companies

have been given the green 1843, and monthly output Grove, Perens , Phill LePage of Eddgetone, Perga , Scionsky seen. Their functions segzided so

into WPB and plan whatever re-Wastende, who resigned as Director of the Office of Civilian Requeener's about two months non-

### UAL Approved for Denver-L. A. Route

nuclics Board by Expresser Albert

Pour trees had applied. Two of Trumperinental Carrier - 16

tal carrier. Most of that traffic.

RRIFFING Western Countities as assume military rather to consoliction its presentation

Address of a top instat proceeding two 50 collider guns has added to the fire-power of the Douglas A-20 to give it a total of place 50's. Say not manufact

Formston of the Network Aviation Squals Co. 15 appropried by Albert Ma-Ghee, president. Officers and warehouse are at 768 E. Carson St., Pettsbursh 2. The econtains, McGlee and, will have necessal representation Remove has been made afficially that the Provident life but 983 forms on the

want to American, then each in Northwest and TWA, and one each to Belta.

### Douglas Forms Own Termination Body

h Additional Service-"The need

orn's AM 13, but TWA's size. Members-Manager of the comeffort there. TWA's proposed would public interest, he said, requires

ment of mechanics for the han-FBackleg of Three Edition-An in-

### FEDERAL DIGIST 100-Octone Plants

Called Investment on Array Sarray Percent reservate

Expansion in postwor communline facilities a sound percetage trator for War Haraki L. Icks that recion. The 13 officers will urefich He woints out that no other ma-The Way Deportment has

lupiding approximately \$350,000. \$210,000,000 of government in-

Financing-Expenses of faciliexulate equipment for 140-octave with funds from Defense Plant

May will mark the tenth axelversary of the first shopesent of 100-octane garotite to the Army Lockheed, in annearcing a value of \$697,494.167 on production and 1.000 gallone, was delegated to services performed in 1943, and a 1861 stock earning of \$7.65 o

tion must be increased and made \$1941 Assessating-In Lockhood) 1943 accounting, provision was Mississen Shiresenta-A food for possible inability to obtain paythan in Jaccary, 1843, Short

Board said. There was a 22 per-

Lockheed Asks Fair

Termination Policy

of 1843 asympton for most own of

pounds being shipped as against justments and orded the year 66,900,000 pounds during Decem- with \$19 100,000 working capital

#### 550 of 1.000 WTS Surplus Planes Sold Freire 5,000 may be put on may tury fight courses.

probably all 5,000 of its transport Downed Heavy-So for these prices, and WYS officials and there

Pengressive closing of Air Force question whether their phones also

\$ 165 to 225 hp .-- Most of the primary (PT) planes of the contract her. The bowe traceers (BT) rate

standiers Time and swift absoles.

#### Martin Election All officers of the Glory L. Mar-

ment on all steen charged to cost. Vollmer, William K. Bhal. Harry tant secretory Marray E. School mechann, Jr., computation, and Thomas H. Janes, secretary AVIATION NEWS . April 17, 1944

### Pilot Training Cuts Traced to Ouotas Tweeting off program applicated

couldy than on the number of

eleven creftus dwing schools.

flight instruction. All those of the I Civilian Schools--D is retarnated schools group all primary fight training for the AAF, only sheat

and they point out that cudeta exposurement that 38,000 provefrom these schools are forms tun

Muzzuckile, the Senate named tons and continue the CAA-CPE continu ochools. The House sent the will to the Committee on In-Affects Craw Studeous - The

serve Program and the AAY air fields in the AAF Trettured Command while awaiting pre-

record set by these schools is good times as many plane rolles a receth S In November, the 18 doeseshe autimes flow 9,494,663 miles First Liberator

Pronter plane now operated as interactive for Constituted Vol. The first Laborator bomber healt to still flying and opelrabating its part to the building of bottom

This original version of the Liberator is used as a flying variations of landing may, for





of a wise exprogressive a lowerer floor strict. At

First "Leberator" Used as Flying Laboratory: Photoof left about the first Liberator, now betsp used by

### End of Delay Asked On Termination Bill

Committee recommends that renormed our.

Tenning it "imperatively notesthe George post-war economic George-Murray Bill and recents 6.500 P-47's to AAF

demokileston plin, represent audication of Congressional reluctance to accept the Buruch bdueperat, but this latest report cot, quickly, the necessary everall plan for return of the country h Machinery-The matherery of the report is rather unequal, in

E. Murray (D., Moest), who is coauthor with George of the demo-Of proper reportance in the draft of the bill to be reported to the Scente is the ergolass on eral Accountant Office, the left on

additional protection, the bill adds such settlements except as the presence of froud may be indih Warers Protests-Dir resentregret were smouthly by the War-

In the form that undeskielly self reach the Senate floor, alnot needed after termination, and sport charnels. The procedures

### Republic Delivers

More than \$360 Thursderbolt Aviation Corp. Affred Marchey

has post as vice-president and War Contracts of the Senate Mile - clined renormation because of his tary Alliana Committee. This com- return to strike service.



Vickers Selection For DC-4 Explained Canadian-owned Victory plant

ter controls, Howe seveals. Agreement between Daughts

Maxings and Saroly Minuter h Holds Contract-Howe posted ces that Victory Agreeaft holds a sessenting to about \$386,000,000

since Have said it was chosen by

war period and that each coree incontract apparently permits Canada to sell DC-5 streraft on a compeny in Great Britain. Filenneial Setup-About a cour-

Vickers are held by Lessen, Ltd. an investment trust of a Belgian banking concern. Solvey et Co., States, Great Britain, Berwards The plant new making DC-Fa is



able reduced rates and in terr-

pubbe weefulgers and semptance. All are within reach and one he made actachters of the near fature. At he empley manufacturer, par

Cyclones Save 3 Ways



Aircraft Empire



AIRPLANE manufacturers are keeping a constant look-out for practical means of reducing the empty weight of aircraft. One ex-

ample of this is the unconsordinged heine delivered without your naint perferent's recent directive. This change lightens each big bomber by some 60 negads, adds or seal miles per-hour speed. All this canmoney. But on commercial planes, weight saved and increased rev-Colonial Airfines, we estimate that

### SEED FOR BOOTS

MEIGHT-SAVING BOOKLET TODAY Consumment weights of version to period

### ROOTS NUTS SAVE UP TO AN URS. DER BLAME

- . Much Relater but tougher than . Can be used over and over without the accelerated locking loss
- A In wartiese specified for all types of other man. of railitary aircraft. · In pracetime will be standard
  - · "Outlest the place." A American by all supermount





### THE AIR WAR

### COMMENTARY

### Airpower Facing Its Greatest Test in Next Six Months

Proof of value more evident in staving off defeat in Pacific than in European theater, where Albed air dominance is not so marked as against lars

a few words and phrases wheels

crabble combined United Nations + Europe and Africa-do the west. some examples are orbitandrul

Seal conquest of the Solomous,

Invasion Tools

of staff of the Arrey Service

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close cooperation with the ground- deputy supreme commander, there \*Long range strategic resolves plat about, adjusted to most the against the carray's productive car new conditions

local spell of decent weather. Check on this about June 1. With pacity and lines of communication. PAir Objectives-One of the great

40.000NavyFlyers The New added 20,000 silets

officials. This figure includes the Minne Corps By next January it is anticipated the about 27,000 arresult, vactudagainst \$800 to existence in partiers of the Enter type-

Solema, though it was sap and tuck there for a couple of days, LEADERS IN THE COMBINED STRATEGIC AIR OFFENSIVE ACAIMST GERMAN parriers of the 18,000-ten con-

> beyond the effective page of bare in England, and for hir postulisan That a good start on this has

vast service and supply organiza-

CENTENTO CAMPS OF STAP Surreman Suprema Companyon

and Diet of All Assertant Perce Frifteenth Air Farce Mry See British P Terring Phillips

100-octane gasoline could fuel enough Flying Fortresses 600 tons of bombs on Berlin every day

> **Phillips** AVIATION GASOLINE

A major supplier of 100 ectane gasoline to the Army, Navy, and United Nations air terces.

### PERSONNEL.

Alled B. Bossett widely known fly- port Corp., one of three successor appointed director of past-war mks for Asympte Aircraft Curp, Maddle-

in a very strong possion, since Ben- truffe dispatcher for TWA at Latransag in the Army at Brooks Field, Tex., and in 1831 established one of the leading personal plane named at Karnan City, Burkaria. Cald The New York office con-trols loads through all YWA sta-



farred to the New York offer. syreetment manager and regional Comde. John D. Honey, 1350C best bears detected from the office of the sa-Joseph F. Barber, New York, secondnoticed chief of the Navy's Bureau of generation in 1829 until re disorteconnect of the Minus division of



Centr B E Stele, USN, has been recented to the Maryland State Aviation Communion. He is senior air officer at the U.S. Novel Acad-Two representatives of South Awar-

York, and a director of Brown. Har-

John Paul Builds, provident of the

Miles, and See Peaks, Brazel, has

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Muces and also a member of the Branitus-United States Between at Washington, has returned from pointed manager of the newly created manager of the newsy



administer, through present conpany dynama chargeds, accounts matter is excepted of B. V. Host.

County Gardony & Solds, USNN, has



NOW! A flush door lock for gircraft

Protecting door handles are climinated by the new Hartwell flush door look. It presents a smooth, flat surface: improves streamlining and side perform ance. The lock comes equipped with mountain plate. variable skin-thickness adapter plate, and a key lock, which is built into the push-button control. Designed for fast warplanes, the new Hortwell flush door look will be a streambaine most on all more time planes. Write our Los Appeles office for complete engineering details for this "airses" door lock



pennits the recessed, octague-shaped handle to slide forward.

closed from the freede















Long Boach. The arranting man-

ed at the Tules plant and in concerned with unifying the fune-

stars of centralization and a minimum of dustination of officer AVIATION NEWS . Aret IT 1944

Solvener J. (Spec) Hold, for the post Aviscon, he was commercial repre-

Kenner L. Wilson has been named Instrument Co. schodney of Min-Ckyvland office.

Loren Coa George M. Supley on AAF resident representative for the Ton-

E. B. Moon, facuur chard of receiver

radio perishiphers and to reverse

Transcontinental & Western Air-

ant Criv. John B. Thomas, reportedtions manager in New York, rec-

Cast. John B. Pessen, USN, formerly head of the Sehier plane design H. H. Bastein, chief propert engineer



IS VEAR BIN PRESENTED.

Susakon Lander E. Drinkmater, BCAP. is afface in charge of the arriverba-

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GETS WORLD WAR MEDAL: Coop S F Wheteler, rulbin-rule working in the clader accorner, a communication of Selmon Co's research laboratory, for de-

opertments of Factory A and Facprojects A. G. Meyer remiets so countrat to Short end J. B. Wassali.

Bear Admirel A. W. Redderd, USN, hos

of F Energials & Co. Inc., was

#### Weatherill Medal Awarded duPont

Rebord C. doPost, was was billed last year in a olider creek. DuPoet, prempert of All America

Steam for mounds received to P.Westendorn Henneyd-A sproud World War ! The enterd was made medal will be awarded Willem P for Lieut Col C D Wright, groups Westerdorn, of General Elector-

mount through the field on his in the industrial X-ray units used



### Rubber in Compression

Laboratory and flight term of wilcusion control

BORINSON AVIATION INC. 720 FIFTO AVENUE - DEM YOUR IS, D. Y.

# FINGER-TIP CONTROL

### for MARTIN TURRETS

### A G.E Engineered System That Facilitates Accurate Aiming at 300 Mph

· Kneary fighters bearing 'round a bomber can make thepen tough for a turnet stapper. But see thing now made easy for him is the control of his turret-s, job that a Q E control system

In a Martin turret, the runner does not have to more the runs thermalyes. He monly turns his control handle, the turnet and gone move correspondingly. Screenthly, speedily, and with

Kenetly what this kinhly successful system

nexts are described at the right Designing and producing already systems for

flight, radio, and power plant central is becoming on increasingly important phase of General Blectric engineering. For information respective available systems, and consultation encoding the process G-E office. General Electric Co.

### The G-E Turret Speedcontrol System

This typical G-E advanced system facilitates control of the borst and its gues. While its lepost and

1. TURRET DRIVE MOTOR Standard O.F.

shields, and double shielded hall bearings 2. ARCRAT AMPLIDYNE Provides exce-

3. HAVE SECURITIVE BELAY, Automobically

S. AIRCRAFT D.C GENERATOR, Supplies

PRECISION PRODUCTS AND ENGINEERED SYSTEMS FOR AIRCRAFT





GENERAL % ELECTRIC

### AIRCRAFT PRODUCTION

### Wright Reports New Cooling Fan Gives Sharp Boost to Motors

Company says device gives 356 extra hoesepower per engine as 30,000 feet, based on engineers' tests, and raises climbing speed 20 percent and greatly increases load capacity.

Ingreases in rate of chirch, grees 336 more horsepower from each land, crusters meed and buth alti- engine to increase its speed and fight tests of the Wright cooking pay load of some types of twonas of great advantage on large fly-P Tested at 28,999 Feet-Wright craining speed of 110 males per hour a total of 486 hp was recaired for each scanne to overcome the drag

tions, such as a steep climb or long ing boots and heavy land-hazed Hilligh Pressure Maintained-The

also permits the compe to be run

at high power for beg periods. for while, with a fan, only 190 hrs. Since temperature is the must lim-

er can be maintained in an engine

The new Iso, Wright engineers

A Finer Same Parago, While a creal fun possible. Likewise, it adds some weight to the organe metallison the ordinary type of accorate

Wright engineers, who have gines moved upwards to 2,000 hip and more in contrast, they said.





Newly Drysland Eurine Cooling Fam The worse. Corp. engineers to suppose rate of chesh, crossess. a plana, has been developed by Wright Aeronastical metitods of engine covirus and cooling

AVIATION NEWS . April 27, 1944 AVIATION NEWS . April 17, 1946

# "SOUTHEASTERN"

the New Name of Georgia Air Service, Inc.

In order to more accurately describe the account of our cognifican was have changed our name to Southeastern Air Service, Inc. This is a looked Georgia Air Service, Inc. has "grown up," and renders air service throughout the Southeast. Our proposation and our work remain the same. on Primary Training for the Army Air Forces.

\* No Change of Service

\* No Change of Personnel \* No Change of Operations

POST WAR PLANS are important tool The hundreds of relate, resolveries and

Fitght Contractors to U. S. Army Air Forces - Bennettsville, S. C. and Jackson, Tenn.

B-29 Nears Quantity Output in Five Plants

Saperfarmen described as most By midyear, Boeing's Super-

residable of the sky guants, although contion now is being built at Houngklight Bears to Continue-The

Fixens Fertress-the "light heavy" and Lockberd plants. All Boring attle Plant 1, where experimental hyunch ninets in western Wash-

No Secret-Philip G. Johnson. Borne president, said this coordi-

That production of B-29's was when the last Martin B-26 Mathe charge over requiring a \$2,000 .-990 addrison to the mass assembly

1555th B-26 to be built at that secres for 1941 received to nonsecraft sadustry. In March, Ros-

#### Portable Heater Development of a year portable

The new "Assisted" rootable

AVIATION NEWS . And IT 1944



CANADIAN HELLDIVERS ASSEMBLY LINE Part of the entently line of Chrisis Hellelvers being built at the Fort





### Onickly Tests All Types of Hydraulie Equipment for Aircraft

THIS Liberty Yest Beech (Type 101) entire hydroullo systems, parts, fittings and accessories. Ideal for testing puch bydrasiic conjensor as Flep Operating and Landing Geor Cylinders, Can Tures and Con Piece Mechanisms, Unlander Relief Valves and Flow Divider Volum-Provides a variable flow of oil, up to 12 norm, with pressures up to 1,500 p.s.i. Also neavides hydraulic pressure up to 18,000 mai, for heart presery tests and bukare tests. Complete safarmation will be sest upon written request.



# & ENGINEERING CORPORATION

BALTIMORE-1. MARYLAND

MANUFACTURERS OF AIRCRAFT SERVICE TOOLS AND TEST EQUIPMENT

### DuPont Perfects New Plane Rivet Model is modified version of

original explosive proc.



Bearder becomes opposes to Wilknoo: King muned ther Clumes in the Pratt & Whitney

preserves. The changes are de-



P. & Waines 1929, and is being yet-

b Biker Chief Inspector-Andrew L Riker becomes numbers third in-

rence Custonguey, Harry W. Gun-New Design Projects - There project engineers will be assigned The Production Engine Group headed by Gilmeure N. Cole, De-

### Globe Corp. Buys Frankfort Sailplane Prankfort Sulptane Co., Jobet,

Rassell E Goorge, vice-president action was desped advantage in arement and sound financial best-

its charter in 1901 and has netree-

### Douglas Aide Lists Design Fundamentals

Strenge importance of safety weaks and services bilay at New

plane, that sirplane assembly and

Meeting in New York. He ansystem is an important on until parts lighter is to make them smaller-which norms physics but "Designers have tendences to make such thrace as engine con-Denipastert Utiliaation - Klein contended that auplane devices of

ability. He expressed the occasion Brandshey has been associated with Designal Retained-Globe Corp., fight, they are earning?

### **UP WHERE SAW MILLS** HAVE TO BE FLOWN IN.

Bowser Engineered Airport Fueling Systems



from Minusopolis to Feirbanks, Alaska It was

Borese Aviation Parking Stystems were chosen L. In seport operations, keep and most and under all extreme of conditions. However forgenerator Bowen, Isc., Pert Wayne 5, Ind.

for Medium and Smaller Airports -- BOWSER SERY-A-PLANE confr mutafied, simula to corrects . . . Serv. A-Place is the right matallation for market and resulter apports, or for facility insufer places because it from the Xinto Mater manages recognite To sperate Serv-A-Plane-Play the switch to start the motor-sperred pump . . . pad out the







AVIATION NEWS . April 15, 1866

### Top Air Executives Join ACCA Board

Too executives of the agreeaft

next west in Los Angeles in con-Council, whose members also are

P Outland Brightenn-With Land. were setalls, the equation takes on craft menulecturing industry-in-

partments and other Chamber

AVIATION NEWS . April 17, 1944

North American Rebert E Gross, requestly returned has made no Lockheed, Barry Woolhead Con- millir trenet on its artistian and Curtus-Wrighty E E Wilson United Arreraft, Glenn L. Martin the Glenn L. Narun Co., Victor Marchey, Bepublic Aviation, Ernest S. Broecis, Bendix, B. E. Cell-Ween, and J. Carlier Ward, Jr., rand the wor-

### Plane Improvement Aim of U.S. Mission

Harb replying officers of the their economic regulars in Britain

At the tune of Munich, Gor-

of the aircraft production program . Trobles Axis Output-Bost estitives that of the Axis. In add-



#### CHRYSLER PLANT WORKERS 65 PERCENT WOMEN Weener's natural skills, expolessented by company traying schools, are

they get peoper conservings. These named in addition to

### TRANSPORT

### Soviets Watch London Talks As Own Parley with U. S. Opens China sorres to join in hillsteral conferences conducted by

Amortes has no official date has been see: Bode returns United States and Russian sylaestablished for this participation. tion conferent are scheduled to

two countries could be corrected dan talks for whatever light they b Beavertrook Statement - Thu ica may make with respect to a conference" It appeared as foreroutes, dimension of surplus air- delicate problems confronting the that they had agreed "that seterAgree on 2 Points These are that each nation

tern? These matters were not ower assistant than is Britten, they

h Warner Stays Ocean-Civil Accomublic, annaryettly ashieved the That and us more. He held ex-





ATTATION NEWS . And 17 test

PILOT'S COMPARTMENT AND ENGINEER'S CONTROL BOARD OF THE MARS Photos taken on the flight deck of the Martin Mars, the flight engineer's control board and (right) pen-Nery's 70-ten flying best and holder of interers and locking forward toward the pilet's speciment





Photo shours leading arrather. Spares of the Ker- Air Transport; PCA provident and hart, C. Bedell torough Government toha winted the hangers and Monra, PCA mee prendent "Size" Correctual. shape of Pennsulvanus-Central Airbnes Left to right. Advantal Areasus Schools, charmen of the board of are Countr K Gulba, air attache of the Normephan the Bayal Normey Air Transport; Capt Morten Kray,

New Air Route

for that reason all morner of b Soviet Attitude-Benny's place CAB Chairman L. Welch Perce.

technical advisor to Joseph C for the Burrian talks, believes Rus-

for the seemingly unfavorable out- tionship which would strenglate Major Lines Assail CAB Feeder Report Other sources staggest that Bun-C & S apposes move to har hig companies from other under to marmylenal air conserve. Views of the major surface, an

which then for appears unlikely. Banré, differed sharply last week with the report of Economers Mostdan and Bettel. The Board now has the one under adviscement. sphere of influence in eastern Eneitses of less than \$5,000 populasuch ratios could be served more

PTWA Christin Standard council for TWA tenh man with the classes Use of a new roote from Great Brusin to Edwesten, Alberta, by



### "AN" Pipe and Tube Fittings

ends. Circumst's experience and production facilities may be part what you need to avoid assembly storydowns. Some envelopments can be expedied from each. Write or wire-Grannell Company, Ltc., Europaye Offices, Pensidence J. R. L.

### GRINNELL



### CAB Warns Workers Of Safety Rules Remirch inspectors on aircraft of

The Safety Russau of the Crvil Arronautics Board bus imped a wirning to all certificated mesafety regulations governing the periodic inspectan reports of repairs and ground work done on

Noting an increase in the nursthat the mechanic's certificate is-

### Navy Lauds CAA For Nars Radio Aid

Super-Service

### Two 9th Air Force Command Changes

General Miller formerly commanded the Eighth Air Porce Sec-

C & S Asks New

### Airmail Rate

s. Ines

Booself Asswers has four new directors, hemo unlegged here at the

# Formation of New North Atlantic

A new factor has been thrown land and the uninviting 110,000 The BCAF Transport Comrate the international air transport square miles of Labrador would

greet circle reste. Without it.

New Territories-The company

which they can be put. The \$90,- confumns, once the North Atlanda. 45.066 sanure wides of Newlound- governed by what is in effort a

Airline Reported Under Way "Important interests" in U. S. Britain, Canada and Newfoundland expected to join forces in neglected air service.

foundland group in the establish. Heretreent bankers long awaived

and presents so many possibilities Newfoundhood Status The cav-

office in London, which means that the demands of the company for corneniminears and three Newthe radius hady. The document & Control Parage-The key figure to 1635 in what vertually amount-The Commononer for Public

and he is expected to retire soon. possibly next merch. He is Sir Wiltred W. Woods The appointment of the new commissioner, All foreign relations of the "do- ruch action in that government

mirees in suspended states" are may consider necessary." The hardled through the documents. Newfoundlead government would

ment, "expressed a belief that only by a strong company with interentsonal repport of this kind he said, "will naturally include ments with other factors in the



penditum of \$72,000,000 for 200 cm. Indigning Melagan will on wat draining and lighting with many 900. In addrison to half they were sponethie for \$11,315,899 site owner and \$13,357,549 building and mis-



Martheast's cargo base for its swittery trees-Atlantic operation was Westbrook, Mass., expension of corns operations, and (rear) Sodio Of

### W/ A Parterson Feted on 15th Year

William A Patterson, provident

J A. Herlity, vice-prendent, onprecidents, operations, N. B. Ha-P Martin, secretary, Curtus,



Berker, comptroller, and C H.

Derectors re-elected were May-Sowall, Paul G. Hellman and Sig AVIATION NEWS . AND IT, 1946



### little man, you had a busy day... You couldn't see over the count ... and you didn't make understand what

The his shire-showed more they called "Poor" Hambur shill So shill the

has ... Western Ast Regress ... to fit the word between Les Acquies and Sale Like City and remedy passengers! Sam, "Foa" Hendrag knew what it record For it was only two years later (you hadn't even second to school yet) when he was operating but 5-

decises to the sireon. They called this the 'Million Dollar Arrests Today they ex all 'multips dollar agrees,' thanks an even on the autoropy curry huzare soulonds. Right now these men are beiging to win a war but

And you lises, out, that the men who ran Winston Air Lanca server stop

General Traffic Officer: 510 West felt Server. Los Acquires 14. Calabrasa.



cellaneous costs.



You get manison poner

expect But they will have usedweather" at 25,000 feet By 1868 predute Geaffers F tune of cargo and 70 to 100 perscripts will be commorphice. Langest non-step trips over land Air Vacations Algord-Larkers

Air Giants Unlikely.

Says Douglas Aide

performance mendeamone Press never dreamed it possible will be Small Motors, Inc Drains : Seningroup : Production

DC-57s, DC-67s and C-467s will pre-.000 pre-wor type planes should be able to handle post-war massenper traffic for the next four or five years. Buge planes for several · Save Money.

Floors, Equipment and Time by using works-wide commercial operations DARNELL Casters competition rather than the "cheson instrument" policy. He says and Wheels DARNELL CORP LTD OWALKERST NEW YORK NO

years and forty 100-passenger

Prot-War AAV-Mr. Johnston 000 Reciscoments would total 5.600 per year, or one-twentieth for five years or so after peace. The effect of the surplus pool is In the appropriate, the expectaabout one-quarter billion dellars biffion by the 4fth year, if all goes

### member the state of affeirs in rafind that real progress is being made and the outlook for the fa-Application Filed For Seafood Airline New Bolford, Mass, firm when

radeed black, but those who re-

position Board by Fush Airliner

stem engagement at present, has naked for a certificate to cover songer planes at the end of five flyers in the War Trutting Service

Bouquets for CAB

American Airlines, apoles of

h 60 Yords Blom When Amphon

and reaching tota Indiana, Iowa, ters. They have filed with CAR lants, Ga., to Godedon and Anne-

Speaks for All Aktines-Pre-3 Calcaute Cirrle Service-Marry tain States Avustice, Inc., of Den-

Damon Urges Cargo

Trade Development AA official tells Security Analyst of surlines' need for passenger

and freight service espisasion to offeet ducting in mail revenues. neturn on atronasi, says Balph &

dagtion of transport planes. Th-

returned, including replacements

\$ Expansion of the 44,000 routemiles of airways of 1941 to seem thras like 193,000 routs widen the number of flushes a day ever each refle of route, and a five-Larger planes, sealing up to 100

las DC-4, seating between 40 and In a reference to surface car-



of Fort Benning, paretrooper

36 N CLINTON CHICAGO IL

from a broadened market and in-

# Boston Expansion

Northeast Airlines reports at wall add to its facilities at Reason used by the military. The addi-

Paul F. Collins, president, and > Used by Bush Pdots-The Macits opensoreial operation. He pre-

### Air Festival

beginning Age 10 L. Walch speaker at the "Aviado," during the first western display of CAB's HELP WANTED

AMPORT TRAFFIC CONTROLLER

RENTSCHLER FIRE Note by the contract of the sandy of

### Mackenvie River Route Details Told

Author sesson involved in Canconsults of poets and sirveys Details of the Mockeague Breez

familities. Carradians had been fire

Hay Biver on Great Maye Lake,

Mase Corpo is Proight-More Cataff Winter State-A cutoff monthly by the drymon, although

Gains in Pacific Extend NATS Lines

Each time the Just less another

Service's Pacific Division, adds at-

are now fring \$20,000 miles a

Present wileage of the NATA Pay

The distances versioned in the

refers to a 1,000-mule her at a

### LAST CATALINA PRODUCED AT SAN DIEGO: The last of the favour Catalinas to come of the predictive line at the

To anyone for an enterpret, cleans PRATT & WHITNEY AIRCRAFT All hiring about he down in particulary

AVIATION NEWS . And It. 1986

rentes now served by couch in Ca-

congrammed with peach achedules

service. The applicant plans to unc As part of the Carobbenia service. "through" trunk line flights being

person 960 suites auch from Season

AVIATION NEWS . April 15, 1866

and Lee Admitted have Deces ofthe Friending Conference of the Conf

Officeal Guada of the Aleways, Chamap showing, in odddoon to private reales, more than 4,000 cylins and

## Dellard Alveredt Co., Elkhart, Ind.,

office of Hill and Knowling, public

on the Secretary Company of the Secretary of the Secretar from the Epolan of the field dynamics pro-ceedings in the review of the Wilson. The new which has removed of the Wilson. The new which has removed a solved legislate of proper in Margan Clay. The legislate of the problems of the Wilson in solbie days as an element with the control of the solved of the solved of the Wilson in solved days as a solven with the control of the solved of the solved of the Kinds Andhorius to between lot the solved of the control of the specific acts with the model, the control of the specific acts with the control, the control of the specific acts with the control of the control of the specific acts with the larger control of the specific acts of the control of the control of the specific acts of the control of the control of the specific acts of the control of the Angelysman scale.

CAR ACTION

a The Stead has granted Western Air Ly produkted to rever fine Frincisco on All through the use of the Sta Francisco Ma (log Alpert Object Field A represen-



STANDARD PARTS CONTRACTORS TO THE

**AVIATION INDUSTRY** SEND FOR CATALOG No. A-102

#### FINANCIAL

### Commercial Air Transport Growth

Revealed in 5-Year CAB Survey Traffic and financial operations of individual companies during period 1958-42 summarized by Economic Bureau of Rates and

#### Audits Division By ROGER WILCO

The phenomenal recent of care, & Assets Da Sharabe-Current nemarcial au trensport is the high- sets grew from \$15,142,661 to \$61,light of a five-year norkee statisti- 196,508 (up 438 20 percent) dur-Bureau, Bates and Audric Division. Oct 31, 1843, current assets stood Covering the period 1808 through at Oct 31 last year was \$57,832,-

of Mill. NAM 1960, 1760, 1962 and the Mr. 1962 RELIGIOUS RESIDENCE RECEIVED AND THE RELIGIOUS RESIDENCE read Applia Penning and Rown

David Labiform ings thing

1942 on a colendar year basis, the 912 compared with \$25,254,522 at study succession the traffic and 1600 to \$21,535,370 at Dec. 21 meatir air carriers) at Dec. 21. 1942, bad reached \$124,328,542 plures at Dec. 21, 1942, tetaled assets at Oct. 21, 1942, tatalori

\$157.945.395, a gain of more than

and monthly compensation \$2,revenues, was down to 21 percent of total revenues in 1842. For the airfines reported aggregate oper-

argued operating symmetries of \$31.4 683.745. leaving an operating woods of \$38.544.164 In 1933, oper-\$43.861.239, realong a defect of

PROVIDER UN-Ry 1939, onerating reverses had reached \$55.profit of \$4,556.200 A year later

to 1 432 453 433 in 1943, while rev-698,491,093 to 72,133,699,534, with Oursag 1943. Express pound moles rose to 31,257,460,511 in 3943 frees. 4344.440,777 to 1838. A breakdown of traffic data is shown

WAL Net Off Sharply

\$566,000 decrease in airward revo express rates July 15, 1963; and \$4,957,227 At Acre 30, 1946, the

AVIATION NEWS . Asset 13, 1944

### SEC Reports Ryan Income and Salaries ended Oct. 31, 1943, pur se

T Cloude Hear, president and received \$44,380 in compensation 31 1943 according to the com-

Of this cure, \$22,480 was observed

as follows: \$5,800 from the com-

tion of \$17,06), all of which was charged to the company h Train Array Billets. The two P Balonce - Expanses, carbafing

\$47.428 Other mesens in the amount of \$113,723 brought the balance of \$2,996,519 After arevolume \$2.149,306 for recent) and

of \$250,000 for continuous ries and Braniff Dividend

of \$834.280 equal ofter preferred Payment of quarterly dividend quarter of 1944 has been witherand by the Hoard of Directors of Jun. 21, 1942; net sales were \$15.earnings before taxes were \$2.196 --



cr-shop system staffed only by Since its beginning in May of

than 100, plus a waiting list \* Feeder Shop Idea--- The Commando nel, Mrs Sene Anne Yowers, wife \* Considers Parafic Abrillage raports lass of \$235,570 in 1945. Exworkers on the early \$100 a.m. to 19:50 n.m. shell. The average CPA \$2.607.600 CPA Systemory

New Plane Names

bomber is being titled the De-

HALIFAX AT PROP PLANT

Financial Reports

nerrord over 1942 Average prograted by the air abscrett

more than 57,000,000 miles during

Manuallan Airlines, Ltd. reports

plane miles in 1943 and experi-

Distinct States Physical Corp. and

ended Jan 21 reported net profit

### For a Peacetime Air Force Of 50,000 Planes

From United States accord industry built IIV from utilizane private schools formule out neces-A plotter during September, 1909, when the Euro- sary technicians and a minimum of 100,000 private pean war started Total output that year was 2,490 planes, including scores of trainers. On Dec. 7. 1941, we had 159 four-curve hombers. The with only 526 of those strategically logated to meet possible attacks on Hawan and the Philippenes

Yedav's production as 9,500 military planes every month, melading possibly 1,500 heavy beenbers Air Force, by quantity and quality. By neak to still unattened. Over held of the Army's total 1944 production represents aircraft and its equip-

In the heat of battle, on the threshold of the The United States must continue to resintant others or remains based on American terrylory. Its indeed action clarwhere

force equaled or exceeded by none as the world. even by our present Allies. This is believed to be the gromann of some of our harbout officials. It is a prevailing belief of a group of the meat remorable our leadership, will be as powerful a force at the peace table as in the years ahead,

PRINTED THE NEWS Believes that Conservational I plans should encompass the following minimuch post-war our program-1. A pencetime Army and Navy Air Force of at least 50,000 combat planes, plan heresoney trainers 2. Annual production and prolacement of \$5,000 I Continuation of what already is the world's Committee for Accessuation plan AAF and navel

but offots of the required assa. This program would tinged by the services. 5. The world's largest and finest equipped commercial arriane system with subsidies only on a

no commercial sirline, but serving as trusning and

policy with a premium which is hardly more than several of the current 2,000-plane raids over Berlin of course. What about our post-way Avers was face Navy, peacetime conscription? The question

repoly agencies

Il is now up to our Congressional lenders, blue Nep Wandrum and his well-selected military plancleane report to the Segretary of War early thus "These were the lack of funds, the people's aversion to all forms of war which forced us into make-

shell methods. The AAF had to teach the nation constitute airpower; we had to show the folly of the numbers racket. We designed different planes to do different jobs, and shouted from the hangar

range of the eneme." We believe the people realize these threes now 4 A continuing national system truining pro- work now to insure as against another war.

### NOW! IMPARTIAL TEST PHOTOS PROVE WHICH TAIL WHEEL TIRE HOLDS BEST



Photo shear competitive 6 x 2.00 tail oratories of Scott Aviation Corporation-being rotated at equivalent of 30 miles per hour. Note how contrifugal force has separated beads of tire from the wheel, (agrow). Scott Aviation say, "... all (competitive tires) tested behave in exactly the same manner as the competitive

General 6x2 on Tail Wheel Tire-on same wheel as above—at same speed. Note complete lock of any disporting Note how it hugs the wheel perfectly ... without any separation. Scott Aviation say, "General's seed wire head makes it impossible for the ties to be thrown from the wheel."



### GENERAL'S Exclusive STEEL WIRE BEAD Is The Answer!



The Council 6x 2.00 size-with exclusive seed wire headis replied of why all General Tail Wheel Tires have comittently proved their superiority in countless laboratory tests and in actual service by leading were. The complete General Tire-Tube-Wheel resolvantist brings you General's famous Tep Ourfiry-safe, dependable performance-exclusive features - in our barbare grady for quick installation. Investigate delivery is available. For farther information write or wire:



# STEPPING UP OUTPUT

THE stepped-up tempo of the attack on all fronts steps up the need for ever greater output of certain weapons of war.

In turning out war goods at unprecedented rate, America is making use of several modern cutting coolants developed by Texaco.

Texaco Cutting Oils permit higher speeds and feeds, with improved surface finish. They lubricate the tools, and by carrying away the heat prevent chip welding and lengthen tool life, assuring greater output.

Another interesting use of Texaco Cutting Oil is the removal of burrs from small aluminum stampings—formerly a laborious hand operation. A Texaco Engineer discovered that putting the stampings into tumbling barrels with Texaco ALMAG Cutting Oil

mcreased output 20 times.

So effective have Texaco lubricants proved that they are definitely pre-

proved that they are definitely preferred in many fields, a few of which are listed in the panel.

The services of a Texaco Engineer

The services of a Texaco Engineer specializing in cutting coolants are available to you through more than 2300 Texaco distributing points in the 48 States. The Texas Company, 135 East 42nd Street, New York 17, N. Y.

### THEY PREFER TEXACO

Mare stationary Diesel harsepower in the U, S. is lubricated with Texaca than with any other hand.

★ Mare Diesel harsepower an streamlined trains in the U. S. is lubricated with Texaco than with all ather brands cambined.

Mare lacamatives and railraad cars in the U. S. are lubricated with Texaca than with any other brand.

\* Mare revenue airline miles in the U. S. are flawn with Texaca than with any other brand.

Mare buses, more bus lines and more busmiles are lubricated with Texaca than with any other brand.



TEXACO CUTTING, SOLUBLE AND HYDRAULIC OILS FOR FASTER